

AMENDMENT AND PRESENTATION OF CLAIMS

Please replace all prior claims in the present application with the following claims.

1. (Currently Amended) A method comprising:

causing transmission of a plurality of services, each of the services comprising one or more service components, at least some of the service components having different media formats, the service components for a given service being transmitted in a time-sliced manner on a given channel, wherein the service components are transmitted in bursts with an interval between end of a first burst and start of a second burst, and content of consecutive bursts is the same or at least partly different;

generating service identification data relating service components to services on that channel;

repeatedly causing transmission of the service identification data on the channel; and

repeatedly causing transmission of information relating to timing of a subsequent transmission ~~transmissions~~ transmission of the service identification data and a given frequency of the channel at which the subsequent transmission of the service identification data will occur,

wherein the method is a method of providing service selection for a mobile terminal.

2. (Previously Presented) The method as claimed in claim 1, in which the generating service identification data relating service components to services on that channel includes generating data identifying the media format of each service component.

3. (Canceled)

4. (Previously Presented) The method as claimed in claim 1, wherein the generating service identification data relating service components to services comprises identifying the media format of each service component.

5. (Currently Amended) The method as claimed in claim 1, further comprising causing transmission of the information relating to the timing of the subsequent transmission ~~transmissions~~ of the service identification data in a network different than that used for the transmitting the service identification data on the channel.

6. (Currently Amended) The method as claimed in claim 5, wherein transmitting the information relating to the timing of the subsequent transmission ~~transmissions~~ of the service identification data is performed in response to an inquiry from a mobile terminal.

7. (Currently Amended) The method as claimed in claim 6, wherein transmitting the information relating to the timing of the subsequent transmission ~~transmissions~~ of the service identification data is performed in response to an inquiry transmitted from the mobile terminal using the different network.

8. (Previously Presented) The method as claimed in claim 1, comprising using the service identification data to generate a service guide for one or more services.

9. (Previously Presented) The method as claimed in claim 1, further comprising:

receiving the service identification data at a mobile terminal; and
at the mobile terminal, hierarchically arranging the services including the service components from the received service identification data.

10. (Currently Amended) An apparatus comprising:

a transmitter configured to transmit a plurality of services, each of the services comprising one or more service components, at least some of the service components having different media formats, the service components for a given service being arranged to be transmitted in a time-sliced manner on given channel, wherein the service components are arranged to be transmitted in bursts with an interval between end of a first burst and start of a second burst, and content of consecutive bursts is the same or at least partly different; and

a generator configured to generate service identification data relating service components on the channel to services,

wherein the transmitter is configured to repeatedly transmit the service identification data on the channel,

wherein the transmitter is configured to repeatedly transmit information relating to timing of a subsequent transmission ~~transmissions~~ of the service identification data and a given frequency of the channel at which the subsequent transmission of the service identification data will occur, and

wherein the apparatus is configured to provide service selection for a mobile terminal.

11. (Canceled)

12. (Previously Presented) The apparatus as claimed in claim 10, in which the generator is configured to generate data identifying the media format of each service component.

13. (Previously Presented) The apparatus as claimed in claim 10, wherein the transmitter is configured to transmit the media format of each service component.

14. (Currently Amended) The apparatus as claimed in claims 10, wherein the transmitter is configured to transmit the information relating to the timing of the subsequent transmission ~~transmissions~~ of the service identification data in a network different than that used for the service identification data information transmission.

15. (Currently Amended) The apparatus as claimed in claim 14, wherein the information relating to the timing of the subsequent transmission of the service identification data is transmitted in response to an inquiry from the mobile terminal.

16. (Previously Presented) The apparatus as claimed in claim 15, wherein the inquiry from the mobile terminal uses the different network.

17. (Previously Presented) The apparatus as claimed in claim 10, wherein the mobile terminal is arranged to use the service identification data to generate a service guide for one or more services.

18. (Previously Presented) The apparatus as claimed in claim 10, wherein the mobile terminal is arranged to receive the service identification data, and to use it to arrange hierarchically the services including the service components.

19. (Currently Amended) An apparatus comprising:
a receiver configured to receive at least one repeated transmission of information relating to timing of a subsequent transmission ~~transmissions~~ of service identification data and a given frequency of a channel at which the subsequent transmission of the service identification data will occur;

a tuner configured to use the information to tune to the channel at an appropriate time to decode service identification data, the service identification data relating service components on the channel to services; and

a processor configured to subsequently obtain, from service components transmitted in a time-sliced manner on the channel, required service components of a service, wherein the service components are arranged to be received in bursts with an interval between end of a first burst and start of a second burst, and content of consecutive bursts is the same or at least partly different, and the apparatus is a mobile terminal.

20. (Previously Presented) The apparatus as claimed in claim 19, wherein the service identification data relates service components on the channel to services.

21. (Canceled)

22. (Previously Presented) The apparatus as claimed in claim 19, wherein the service identification data identifies the media format of each service component.

23. (Currently Amended) A method comprising:
receiving at least one repeated transmission of information relating to timing of a subsequent transmission ~~transmissions~~ of service identification data and a given frequency of a channel at which the subsequent transmission of the service identification data will occur;
using the information to tune to the channel at an appropriate time to decode service identification data, the service identification data relating service components at a frequency to services; and
subsequently obtaining, from service components transmitted in a time-sliced manner on the channel, required service components of a service, wherein the service components are received in bursts with an interval between end of a first burst and start of a second burst, and content of consecutive bursts is the same or at least partly different, and the method is a method of operating a mobile terminal.

24. (Previously Presented) The method as claimed in claim 23, wherein the service identification data relates service components on the channel to services.

25. (Canceled)

26. (Previously Presented) The method as claimed in claim 23,

wherein the service identification data identifies the media format of each service component.

27. (Previously Presented) The method as claimed in claim 26, further comprising using the service identification data to generate a service guide for one or more services.

28. (Currently Amended) A method comprising:

receiving service identification data relating service components at a given frequency to services and relating services at the given frequency to service sets, the service components for a given service being transmitted in a time-sliced manner on a given channel, wherein the service components are received in bursts with an interval between end of a first burst and start of a second burst, and content of consecutive bursts is the same or at least partly different;

receiving information relating to timing of a subsequent transmission ~~transmissions~~ of the service identification data and a given frequency of the channel at which the subsequent transmission of the service identification data will occur;

hierarchically arranging services including the appropriate service components; and

displaying the different service sets, services or service components, wherein the method is a method of providing service selection data on a display.

29. (Previously Presented) The method as claimed in claim 23, wherein hierarchically arranging services comprises using data items describing the various service components for categorizing received content items.

30. (Previously Presented) The method as claimed in claim 29, wherein the content items are categorized according to content type.

31. (Canceled)

32. (Previously Presented) A method comprising:
providing service selection data using the method of claim 23; and
following selection of a displayed service set, service or service component, tuning to the correct channel at the appropriate time when the selected service set, service or service component is being transmitted.

33. (Currently Amended) An apparatus comprising:
a receiver configured to receive service identification data relating service components on a given channel to services and relating services on the given channel to service sets, the service components for a given service arranged to be received in a time-sliced manner on the given channel, wherein the service components are arranged to be transmitted in bursts with an interval between end of a first burst and start of a second burst, and content of consecutive bursts is the same or at least partly different, the receiver being configured to receive information relating to timing of a subsequent transmission ~~transmissions~~ of the service identification data and a given frequency of the channel at which the subsequent transmission of the service identification data will occur;
a controller configured to order hierarchically services including the appropriate service components; and

a display configured to display the different service sets, services or service components, wherein the apparatus comprises a mobile terminal.

34. (Canceled)

35. (Previously Presented) The apparatus as claimed in claim 33, wherein the receiver is configured to receive service identification data relating service components at a given frequency to services and relating services at the given frequency to service sets.

36. (Previously Presented) The apparatus as claimed in claim 33, wherein the controller is configured to use data items describing the various service components to categorize received content items.

37. (Previously Presented) The apparatus as claimed in claim 36, wherein the content items are categorized according to content type.

38. (Canceled)

39. (Previously Presented) The apparatus as claimed in claim 33, wherein the apparatus is arranged to be responsive to selection of a displayed service set, service or service component, to tune to the correct channel at the appropriate time when the selected service set, service or service component is being transmitted.

40. - 42. (Canceled)

43. (Previously Presented) The method as claimed in claim 1, wherein the method is a computer-implemented method and at least one step is performed by a computer.

44. (Previously Presented) The method as claimed in claim 23, wherein the method is a computer-implemented method and at least one step is performed by a computer.

45. (Previously Presented) The method as claimed in claim 28, wherein the method is a computer-implemented method and at least one step is performed by a computer.

46. (Previously Presented) A computer readable medium encoded with instructions that, when executed by a computer, perform the steps of claim 1.